





# Sujay Kumar

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## Summary

Computer Science student focused on containerization, automation, and Kubernetes for scalable web solutions. Passionate about DevOps and cloud-native workflows; write technical blogs at [sujay.is-a.dev/blog](https://sujay.is-a.dev/blog).

## Education

### KIIT University

*B.Tech, Computer Science and Engineering*

Bhubaneswar, Odisha

*Expected Sep 2026, CGPA: 8.11/10*

## Skills

**Programming Languages:** C, Java, JavaScript, TypeScript, Python

**Web Technologies:** HTML5, CSS3, Tailwind CSS, React.js, Next.js, Node.js, Express.js, FastAPI, RESTful APIs

**Databases & Tools:** MongoDB, PostgreSQL, Firebase, Supabase, Prisma ORM, Postman

**DevOps & Cloud:** Git, GitHub, GitHub Actions, Google Cloud Platform, Cloudflare, Docker, AWS - EC2

## Professional Experience

### IIT Kharagpur | *Research Collaborator*

April 2025 – Jun 2025

- Collaborated with PhD students to develop a proxy index for measuring renewable energy market trends by creating a data pipeline.
- Utilized generative AI to create signaling keywords, integrated into a data pipeline for scraping the Scopus database, saved results to Excel, and visualized market trends.

### KIIT E-Cell | *Full Stack Developer*

Sep 2024 – Present

- Served as Full Stack Developer and Built a course dashboard using the MERN Stack and integrated Google Sheets API
- Led the design and deployment of the organization's official website to improve outreach and digital presence.
- Organized and managed an internal hackathon, overseeing the event's planning, logistics, and execution.

### AGT Pvt Ltd | *Full Stack Developer*

Dec 2024 – April 2025

- Developed responsive UI components for photonBoxx, improving mobile responsiveness. [Contribution Link](#)
- Resolved critical UI bugs, boosting application uptime and enhancing user satisfaction.
- Streamlined CRUD operations for HobbyCue admin routes, increasing backend efficiency. [Contribution Link](#)

## Key Projects

### ApplySmart (<https://www.applysmart.me>)   Next.js, Express, Prisma, MongoDB, AWS, Whisper, OpenAI API | 2025

- Built a career support platform to streamline job preparation for college students by offering AI-powered resume analysis, job application automation, and mock interview simulations.
- Developed an ATS scoring and resume analysis tool with chatbot suggestions to enhance resume alignment with job roles.
- Automated job application form-filling by generating pre-filled form replicas, along with custom cover letters and job-resume comparison insights. Currently, building our own Speech to Text model.

### Watch2Learn (<https://www.watch2learn.app>)

Next.js, FastAPI, Python, Docker | 2025

- Developed a YouTube-based study tool that extracts and summarizes transcripts using generative AI for detailed and concise learning.
- Solved the problem of vague incomplete video summarization by implementing a markdown-powered formatting engine.
- Enabled quiz generation from summaries to test retention, with persistent history to track user learning progress.

### E-Cell Cohort (<https://ecohort.vercel.app>)

React.js, Express, Sheet API, PostgreSQL | 2024

- Built a learning dashboard for onboarding KIIT E-Cell recruits with week-wise content, quizzes, and progress tracking.
- Solved manual leaderboard updates by integrating Google Sheets API for real-time quiz data and ranking display.
- Enhanced engagement through gamified elements and responsive UI deployed on Vercel with Tailwind styling.

## Extracurricular Achievements

### National Basketball Player | *Competitive Athlete*

2018 – Present

- Represented state and college in national basketball tournaments, demonstrating leadership and teamwork under pressure.

### Smart India Hackathon 2024 | *National-Level Competitor*

2024

- Secured Top 50 position among college teams, showcasing problem-solving and collaborative innovation.